

09/19/03  
06569 U.S. PTO

# NEW UNITED STATES UTILITY PATENT APPLICATION TRANSMITTAL

Atty. Docket No.: 20563/1014

## CERTIFICATE OF MAILING UNDER 37 CFR 1.10

I hereby certify that the paper (and any paper or fee referred to as being enclosed) is being deposited with the United States Postal Service using Express Mail to Addressee Service, under 37 C.F.R. Section 1.10, **Express Mail Label No. EL928103906US** on this date, **September 19, 2003**, postage prepaid, in an envelope addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

David J. Dykeman

Name of Person Mailing Paper

Signature of Person Mailing Paper

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

17497 U.S. PTO

10/665445

09/19/03

### Enclosed herewith is a new patent application of:

First Named Inventor (or application identifier): Rabiner et al.

Title of Invention: Apparatus and Method of Removing Occlusions Using an Ultrasonic Medical Device Operating in a Transverse Mode

- Type: ☐ New  
☒ Continuation of: 09/776,015  
☐ Continuation-in-Part of: \_\_\_\_\_  
☐ Divisional of: \_\_\_\_\_  
which is hereby incorporated by reference in its entirety into the application filed herewith;

### and includes the following papers:

1. ☒ Specification 27 pages (including specification, claims, abstract)/44 claims (6 independent)
2. ☒ Declaration/Power of Attorney is:  
☐ Executed ☐ Unexecuted ☒ Executed copy from Parent Application  
☐ NOT included, but deferred under 37 C.F.R. § 1.53(f).
3. ☒ 10 Distinct sheets of ☒ Formal ☐ Informal Drawings
4. ☒ Application Data Sheet
5. ☐ Preliminary Amendment.
6. ☒ Information Disclosure Statement  
☒ Form 1449 ☒ A copy of each cited prior art reference (as necessary)
7. ☐ Assignment with Recordation Cover Sheet.
8. ☒ Priority is hereby claimed under 35 U.S.C. § 119 based upon the following application(s):

Country	Application Number	Date of Filing (day, month, year)
USA	60/157,824	October 5, 1999
USA	60/178,901	January 28, 2000

9. ☒ Priority is hereby claimed under 35 U.S.C. § 120 based upon the following application(s):

Application Number	Date of Filing (day, month, year)
09/618,352	July 19, 2000
09/776,015	February 2, 2001

10. ☐ Priority is hereby claimed under 35 U.S.C. § 121 based upon the following application(s):

# NEW UNITED STATES UTILITY PATENT APPLICATION TRANSMITTAL

Atty. Docket No.: 20563/1014

Application Number	Date of Filing (day, month, year)

The above applications from which priority is claimed are hereby incorporated in their entirety into the application filed herewith.

11. ☐ Priority document(s).
12. ☐ Microfiche Computer Program (Appendix).
13. ☐ Nucleotide and/or Amino Acid Sequence Submission.  
     ☐ Computer Readable Copy.  
     ☐ Paper Copy (identical to computer copy).  
     ☐ Statement verifying identity of above copies.
14. ☐ Request for Non-Publication and Certification under 35 USC 122 (b)(2)(B)(i)
15. ☒ Statement of Small Entity Status, Pursuant to 37 C.F.R. §1.27.
16. Calculation of Fees:

FEES FOR	TOTAL CLAIMS	EXCESS CLAIMS	FEE	AMOUNT DUE
Basic Filing Fee (37 C.F.R. § 1.16(a))				\$750.00
Total Claims in <b>Excess of 20</b> (37 C.F.R. § 1.16(c))	44	24	\$18.00	432.00
Independent Claims in <b>Excess of 3</b> (37 C.F.R. § 1.16(b))	6	3	\$84.00	252.00
Multiple Dependent Claims (37 C.F.R. § 1.16(d))	No		\$280.00	0.00
Subtotal - Filing Fee Due				1434.00
Reduction by 50%, if Small Entity (37 C.F.R. §§ 1.9, 1.27, 1.28)	MULTIPLY BY 0.50			717.00
<b>TOTAL FILING FEE DUE</b>				717.00
Assignment Recordation Fee (if applicable) (37 C.F.R. § 1.21(h))	0		\$40.00	0.00
<b>GRAND TOTAL DUE</b>				<b>\$717.00</b>

17. PAYMENT is:  
☒ included in the amount of \$675.00 by our enclosed check. The Commissioner is hereby authorized to charge any deficiencies in the fees to Deposit Account 16-0085, Ref. 20563/1014.  
☒ not included, but deferred under 37 C.F.R. § 1.53(f).
18. All correspondence for the attached application should be directed to:

**Richard B. Smith**  
**Customer Number 29934**  
 111 Huntington Avenue  
 Boston, MA 02199-7613

19. Other: \_\_\_\_\_

Respectfully submitted,

Date: September 19, 2003

By: \_\_\_\_\_

Name: David J. Dykeman  
 Registration No.: 46,678

Atty. Docket No.: 20563/1014

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application of: Rabiner et al.  
Serial No.: Not Yet Assigned  
Filed: September 19, 2003  
Entitled: Apparatus and Method of Removing  
Occlusions Using an Ultrasonic Medical  
Device Operating in a Transverse Mode

**CERTIFICATE OF MAILING UNDER 37 CFR 1.10**

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David J. Dykeman

Name of Person Mailing Paper

Signature of Person Mailing Paper

**Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

**TRANSMITTAL LETTER**

Enclosed for filing in the above-identified patent application, please find the following documents:

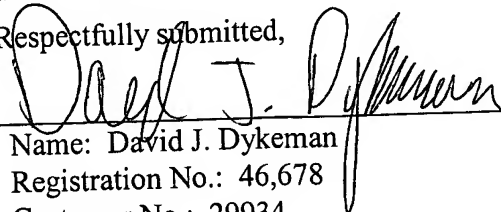
1. New Patent Application Transmittal;
2. Patent Application, (27 pages);
3. Application Data Sheet;
4. Copy of the Declaration and Power of Attorney from Parent Application U.S. Serial No. 09/776,015;
5. Transmittal of Formal drawings;
6. Ten (10) sheets of Formal drawings of Figs 1-10B
7. Information Disclosure Statement;
8. Form 1449 listing 28 references;
9. Copy of 1 non U.S. Patent reference;
10. Check in the amount of \$717.00 for the requisite filing fee; and
11. Return Post Card.

Pursuant to 37 C.F.R. § 1.27, Applicant claims small entity status.

The Commissioner for Patents is hereby authorized to charge any additional fees or credit any overpayment in the total fees to Deposit Account No. 16-0085, Reference No. 20563/1014.  
A duplicate of this transmittal letter is enclosed for this purpose.

Date: September 19, 2003

Respectfully submitted,

  
Name: David J. Dykeman

Registration No.: 46,678

Customer No.: 29934

Palmer & Dodge LLP

111 Huntington Avenue

Boston, MA 02199-7613

Tel: 617-239-0100

Atty. Docket No.: 20563/1014

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Rabiner et al.  
Serial No.: Not Yet Assigned  
Filed: September 19, 2003  
Entitled: Apparatus and Method of Removing  
Occlusions Using an Ultrasonic  
Medical Device Operating in a  
Transverse Mode

Examiner: Not Yet Assigned

Group Art Unit: Not Yet Assigned

Conf. No.: Not Yet Assigned

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David J. Dykeman

Name of Person Mailing Paper

Signature of Person Mailing Paper

**Mail Stop Patent Application**  
**Commissioner for Patents**  
**Attention: Official Draftsperson**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

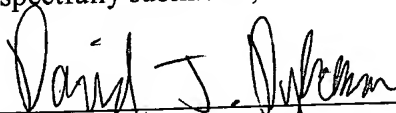
**TRANSMITTAL OF FORMAL DRAWINGS**

Enclosed please find formal drawings of Figures 1 – 10B on 10 separate sheets.

Acceptance of the formal drawings is respectfully requested.

Respectfully submitted,

Date: September 19, 2003



Name: David J. Dykeman

Registration No.: 46,678

Customer No.: 29934

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Boston, MA 02199-7613

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